

wherein the second DNA subsequence encodes all of the domains, other than the first domain, of the constant region of the heavy chain of a human immunoglobulin.--

--69. The DNA of claim 68 wherein the insoluble human tumor necrosis factor binding protein has an apparent molecular weight of about (a) 55 kilodaltons or (b) 75 kilodaltons on a non-reducing SDS-polyacrylamide gel.--

--70. The DNA of claim 68 wherein the human immunoglobulin is IgG.--

--71. The DNA of claim 70 wherein the IgG is IgG1.--

--72. The DNA of claim 70 wherein the IgG is IgG3.--

--73. The DNA of claim 72 wherein the first DNA subsequence is ligated into the vector pCD4-H γ 3 from which the CD4 cDNA insert has been removed via its SstI restriction sites.--

--74. The DNA of claim 68 wherein the insoluble human tumor necrosis factor binding protein has an apparent molecular weight of about 75 kilodaltons on a nonreducing SDS-polyacrylamide gel.--

--75. The DNA of claim 74 wherein the human immunoglobulin is IgG.--

--76. The DNA of claim 75 wherein the IgG is IgG1.--

--77. The DNA of claim 75 wherein the IgG is IgG3.--

--78. The DNA of claim 77 wherein the first DNA subsequence is ligated into the vector pCD4-H γ 3 from which the CD4 cDNA insert has been removed via its SstI restriction sites.--

--79. The DNA of claim 68 wherein the insoluble human tumor necrosis binding protein has an apparent molecular weight of about 55 kilodaltons on a nonreducing SDS-polyacrylamide gel.--

--80. The DNA of claim 79 wherein the human immunoglobulin is IgG.--

--81. The DNA of claim 80 wherein the IgG is IgG1.--

--82. The DNA of claim 80 wherein the IgG is IgG3.--

--83. The DNA of claim 82 wherein the first DNA subsequence is ligated into the vector pCD4-H_γ3 from which the CD4 cDNA insert has been removed via its SstI restriction sites.--

sub E2
~~--84. A DNA encoding a chimeric protein prepared by a process which comprises joining a first DNA subsequence to a second DNA subsequence, wherein the first DNA subsequence encodes the soluble portion of an insoluble human tumor necrosis factor, binding protein, wherein the soluble portion is capable of binding to human tumor necrosis factor and wherein the second DNA subsequence encodes all of the domains, other than the first domain, of the constant region of the heavy chain of a human immunoglobulin.--~~

~~--85. The DNA of claim 84 wherein the insoluble human tumor necrosis factor binding protein has an apparent molecular weight of about (a) 55 kilodaltons or (b) 75 kilodaltons on a non-reducing SDS-polyacrylamide gel.--~~

--86. The DNA of claim 84 wherein the human immunoglobulin is IgG.--

--87. The DNA of claim 86 wherein the IgG is IgG1.--

--88. The DNA of claim 86 wherein the IgG is IgG3.--

--89. The DNA of claim 88 wherein the first DNA subsequence is ligated into the vector pCD4-H_γ3 from which the CD4 cDNA insert has been removed via its SstI restriction sites.--

--90. The DNA of claim 84 wherein the insoluble human tumor necrosis binding protein has an apparent molecular weight of about 75 kilodaltons on a nonreducing SDS-polyacrylamide gel.--

--91. The DNA of claim 90 wherein the human immunoglobulin is IgG.--

--92. The DNA of claim 91 wherein the IgG is IgG1.--

--93. The DNA of claim 91 wherein the IgG is IgG3.--

--94. The DNA of claim 93 wherein the first DNA subsequence is ligated into the vector pCD4-H_γ3 from which the CD4 cDNA insert has been removed via its SstI restriction sites.--

--95. The DNA of claim 84 wherein the insoluble human tumor necrosis binding protein has an apparent molecular weight of about 55 kilodaltons on a nonreducing SDS-polyacrylamide gel. --

--96. The DNA of claim 95 wherein the human immunoglobulin is IgG.--

--97. The DNA of claim 96 wherein the IgG is IgG1.--

--98. The DNA of claim 96 wherein the IgG is IgG3.--

--99. The DNA of claim 98 wherein the first DNA subsequence is ligated into the vector pCD4-H_γ3 from which the CD4 cDNA insert has been removed via its SstI restriction sites.--